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(54) ADHESION TO BASE MATERIAL

(57) Abstract:

PURPOSE: To make close adhesion to a base material possible without being affected by the kind of the base material, change with passing of time, and the history of the base material by firstly treating the base material with energy beams before coating and secondly with a silane coupling agent when the base material is coated with a polymer having a fluorine-containing aliphatic ring structure.

CONSTITUTION: Since polymers having fluorine-containing monomer and one vinyl-ether group have good properties of polymerization reaction, ring-forming polymerization, gelling suppression, etc., they are used solely or with at least one different kind as polymers having specific ring structure. Various additives are added to improve the practical use of the fluorine-containing polymer. After treatment of base material by energy beams such as electromagnetic waves, electron beams, etc., is carried out, treatment with a silane coupling agent is carried out and in the case the treatment order is reversed, the effect for high adhesion strength can not be obtained. As a method for applying the polymer having a fluorine-containing aliphatic ring structure to the base material, methods for applying the polymer after dissolving it in a solvent such as perfluorobenzene, etc., conventionally laminating a sheet or a film of the polymer, etc., can be employed.

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